

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Won-Cheol Jeong  
Serial No.: To Be Assigned  
Filed: Concurrently Herewith  
For: MAGNETIC RANDOM ACCESS MEMORY (MRAM) DEVICES HAVING  
NONPARALLEL MAIN AND REFERENCE MAGNETIC RESISTORS

October 20, 2003

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Sir:

Attached is a list of documents on Form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the waiver by the U.S. Patent and Trademark Office of requirements under 37 C.F.R. § 1.98(a)(2)(i) for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003. It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP.

Respectfully submitted,



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Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Susan E. Freedman

Date of Signature: October 20, 2003

Substitute form 1449A/PTO				<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number		To Be Assigned
				Filing Date		Concurrently Herewith
				First Named Inventor		Won-Cheol Jeong
				Group Art Unit		
				Examiner Name		
Sheet	1	of	1	Attorney Docket Number		5649-1126

U.S. PATENTS AND PATENT PUBLICATIONS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
	1	US-6,479,353	B2	Bhattacharyya	11/12/2002
	2	US-6,445,612	B1	Naji	09/02/2002
	3	US-6,055,178		Naji	04/25/2000
	4	US-5,982,660		Bhattacharyya et al.	11/09/1999
		US-			
		US-			
		US-			
		US-			
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		US-			
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T	
		Office	Number	Kind Code (if known)				

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	5	Durlam et al., <i>A low power 1Mbit MRAM based on 1T1MTJ bit cell integrated with Copper Interconnects</i> , 2002 Symposium on VLSI Circuits Digest of Technical Papers, 2002, pp. 158-161	
	6	Slonczewski, <i>Conductance and exchange coupling of two ferromagnets separated by a tunneling barrier</i> , Physical Review B, Vol. 39, No. 10, April 1, 1989, pp. 6995-7001	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.